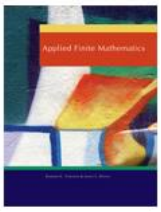
MATH 1070 Q -- Fall 2019 Mathematics for Business and Economics		
	Meets:	**Lecture & Lab:** **Wednesday 6:20 pm – 8:50 pm**
	Main Texts: 	Applied Finite Mathematics by Edmond C. Tomastik and Janice L. Epstein (2nd Edition) You can purchase the bundled version of Applied Finite Mathematics with a Webassign code from the UConn Bookstore. (Not recommended) Alternatively, you may also purchase a WebAssign access code directly from WebAssign web site (recommended) and (optionally) obtain a copy of the text elsewhere.
	Instructor:	**Dr. Beena Ramachandran** E-mail: beenarama@gmail.com

Course Outline:

#	Date	Section	Topic
1	8/28/19	Introduction, 4.1, 4.2	Introduction to Sets, The Number of Elements in a Set
2	9/4/19	4.3, 4.4	Sample Spaces and Events, Basics of Probability
3	9/11/19	5.1, 5.2	The Multiplication Principle and Permutations, Combinations
4	9/18/19	4.5, 4.6	Rules for Probability, Conditional Probability
5	9/25/19	5.3, 5.4, Review for Exam 1	Probability Applications of Counting Principles, Bernoulli Trials Review for Exam 1
6	10/2/19	**Exam 1**	**First In-Class Exam** **(4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 5.1, 5.2, 5.3, 5.4)**
7	10/9/19	6.1, 6.2, 6.3, 6.4	Random Variables and Histograms, Central Tendency, Spread, Normal Distribution
8	10/16/19	F1, F2, F3, F4	Simple & Compound Interest, Annuities & Sinking Funds, Present Value of Annuities and Amortization
9	10/23/19	1.1, 1.2 Review for Exam 2	Mathematical Models, Systems of Linear Equations Review for Exam 2
10	**10/30/19**	**Exam 2**	**Second In-Class Exam** **(6.1,6.2,6.3,6.4,F1,F2,F3,F4)**
11	11/6/19	2.1, 2.2	Intro to Matrices, Matrix Multiplication
12	11/13/19	**No Class**	**No Class**
13	11/20/19	1.3, 1.4	Gauss Elimination of System of Linear Equations, System of Equations with non-unique solutions
14	12/4/19	Review for Final Exam	Review for Final Exam
15	TBD	**FINAL EXAM**	**Final Exam** **(1.1, 1.2, 1.3, 1.4, 2.1, 2.2)**

Course Catalog Description: Topics chosen from finite mathematics. May include Linear equations and inequalities, exponents and logarithms, matrices and determinants, linear programming. Applications.

Course Prerequisites: Recommended preparation: MATH 1010 or equivalent.

Course Website: All course-related materials will be posted on the HuskyCT site for this course:

WebAssign: In this course we will be using the WebAssign online homework system, which will be integrated into the HuskyCT site for this course. **An access code for WebAssign is needed for this course.** The WebAssign access code includes an electronic copy of the textbook. You can get a WebAssign access code by

(1) Purchasing a code online when you access WebAssign via HuskyCT,
(2) purchasing a code from the UConn Co-op Bookstore, or
(3) purchasing the hardcopy textbook from the UConn Co-op Bookstore that is bundled with an access code.

Note: A textbook without a WebAssign access code can be purchased in many places, but the total cost of buying this textbook AND buying the WebAssign access code may be much more than the cost of buying them bundled together.

Assessments

Online Homework: Online WebAssign homework will be assigned throughout the course of the semester. Pay close attention to the answer format required by each question. Click inside the box to provide an answer first to see a "help tip" appear. If the tip says "Enter a fraction…", only a simplified fraction answer will be accepted.

Midterm Examinations: There will be two midterm examinations. See the schedule for the tentative exam dates. All exams are closed book with access to notes on both sides of one 8.5"×11.5" sheet. Attendance at all exams is mandatory, and no make-up examinations will be offered.

Final Examination: The date and time for the final exam is determined by the university. The confirmed date and time will be announced in class as soon as it becomes available. All exams are closed book with access to notes on both sides of one 8.5"×11.5" sheet. Attendance at all exams is mandatory, and no make-up examinations will be offered.

Grading: Final Grades will be calculated as follows:

Online Homework	= 40%
Mid Term Exams @20% each	= 40%
Final Exam	= 20%
Total	=100%

Classroom participation is important and is factored into the final grade. In addition, academic dishonesty will be penalized as follows: plagiarism (the copying of text from other sources without the use of quotation marks and proper citation) and/or cheating will result in a grade of F for the exam involved.

Policies and Resources

Attendance: You should attend all class meetings and are responsible for what we discuss. If you miss a class meeting, you should talk with a classmate to figure out what you missed, you should get any handouts/materials you missed from the HuskyCT site, and you should get caught up as soon as possible.

Make-Up/Late Policy: In fairness to everyone, there are generally NO make-ups and NO extensions for any form of evaluation/assessment (online homework assignments, quizzes, individual assignments, group assignments, midterm exams, etc.). Only extreme situations with an officially documented excuse will allow you to make up an evaluation/assessment. Whenever possible, these excuses must be presented before the evaluation/assessment is due or is supposed to take place in class.

Grading Policy: If you have any questions about the grading of any evaluation/assessment, please ask as soon as possible (usually by the end of the day). If too much time has passed, then grading changes may not be made.

Calculator Policy: A scientific calculator is allowed and recommended for quizzes and exams (**Graphing calculator models TI-89 and above are not permitted**). At a minimum, your calculator should be able to perform the standard scientific calculator operations (for example, factorials, combinations, powers, etc.). Sharing of calculators will not be permitted for exams, so make sure to bring your own. You may **not** use a tablet, phone, or computer as a calculator. **Using a prohibited device on an exam may result in your exam receiving a grade of 0.**

Academic Integrity: Academic dishonesty is considered a serious offense at UConn. Students caught cheating shall be subject to the sanctions and other remedies described in The Student Code (http://community.uconn.edu/the-student-code-appendix-a/). Proactive strategies for students to minimize academic misconduct can be found athttp://community.uconn.edu/proactive- strategies-for-students-to-minimize-academic-misconduct/. It is in your best interest to maintain your academic integrity.

The Quantitative Learning Center: The Quantitative Learning Center (Q Center) at UConn provides free drop-in tutoring for a number of mathematics, chemistry, statistics, and physics classes.

Accommodations for Students with Disabilities: Students who think that they may need accommodations because of a disability are encouraged to meet with me privately early in the semester. Students should also contact the Center for Students with Disabilities as soon as possible to verify their eligibility for reasonable accommodations. For more information, please go to the website http://www.csd.uconn.edu/.

DISCLAIMER: The information listed on this page is subject to change. Any changes or additions will be announced during class and usually also via email.